

SYSTEM AND METHOD FOR PROVIDING  
EFFICIENCY AND COST ANALYSIS DURING  
STEAM PATH AUDITS

ABSTRACT OF THE INVENTION

This disclosure describes a system and method for providing efficiency and cost analysis for a power generation unit. The system of this disclosure includes a current condition data acquisition logic that acquires a plurality of current condition variables for the power generation unit. A design constants acquisition logic acquires a plurality of design constants for the power generation unit; and an analysis logic calculates a operational efficiency of the power generation unit. The method provides efficiency and cost analysis for a power generation unit. The method includes the steps of acquiring a plurality of current condition variables for the power generation unit, and acquiring a plurality of design constants for said power generation unit. With the current condition variables and design constants, the method calculates an operational efficiency of the power generation unit.